ZyXEL ES-4024A V3.60(TV.2)C0

Release Note/Manual Supplement

Date: Jan 23, 2008
This document describes the features in the ES-4024A product for its 3.60(TV.2)C0 release.

Support Platforms:

ZyXEL ES-4024A V3.60(TV.2)C0 supports models: Dimension ES-4024A

Version:

ZyNOS Version: V3.60(TV.2) | 01/23/2008
BootBase Version: V1.02 | 05/06/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TV.2) | 01/23/2008 15:32:07
Bootbase Version	V1.02 | 05/06/2005 10:37:56
Vendor Name	ZyXEL Communications Corp.
Product Model	ES-4024A
ZyNOS Code Model	RAS ES4024A
HTP Code Model	Unknown
ZyNOS ROM address	bfc60000
System Type	6
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	18
RomFile Checksum	ac4a
ZyNOS Checksum	d589
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DA 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Enhanced Features:

None

Bug Fix:

None

Known Issue:

1. Changing some settings (VLAN, link aggregation, or other complex settings) will cause system suspended when **continuously** sending **unresolved source packets** of **1Mbps 64-Byte length**. This situation will be recovered after stopping the traffic.
2. The default gateway must be set in the configuration.
3. The device may be abnormal when learning more than 1000 multicast groups on it.

4. When changing OSPF settings, rebooting device is recommended to ensure it works normally.
5. The weighting of WFQ is more precise for short packets than long packets.

Limit of Settings:

1. IP routing domain: 64
2. 802.1Q static VLAN: 256
3. Static MAC forwarding: 256
4. Filtering: 256
5. Bandwidth Control: 64
6. Mirroring: 256
7. DHCP: 16
8. Static route: 8
9. OSPF area: 4
10. OSPF virtual link: 32
11. VRRP router entry:14
12. Classifier entry: 256

Revision History:

V3.60(TV.2)C0 (01/23/2008)
Change fan limit : the limit-high is from 6500 to 7500, and the limit-low is from 4500 to 2500.
V3.60(TV.1)C0 (04/10/2006)
Support OSPF Passive-interface and MAC Flush.
V3.60(TV.0)C0 (05/12/2005)
Support New CLI and classifier entry.
Bootbase version 1.02 using 00-13-49 as MAC prefix.
V3.50(TV.0)C0 (01/11/2005)
First Public version.

ZyXEL ES-4024A V3.60(TV.1)C0

Release Note/Manual Supplement

Date: March 13, 2006
This document describes the features in the ES-4024A product for its 3.60(TV.1)C0 release.

Support Platforms:

ZyXEL ES-4024A V3.60(TV.1)C0 supports models: Dimension ES-4024A

Version:

ZyNOS Version: V3.60(TV.1) | 04/10/2006
BootBase Version: V1.02 | 05/06/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TV.1) | 04/10/2006 18:33:51

Bootbase Version	V1.02 | 05/06/2005 10:37:56
Vendor Name	ZyXEL Communications Corp.
Product Model	ES-4024A
ZyNOS Code Model	RAS ES4024A
HTP Code Model	Unknown
ZyNOS ROM address	bfc60000
System Type	6
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	18
RomFile Checksum	ac4a
ZyNOS Checksum	29e0
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DA 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Enhanced Features:

1. OSPF Passive-interface
2. MAC Flush

Bug Fix:

1. GVRP issue
2. IP address could be set to class A, B and C
3. When setting the VLAN IP with the original one but different subnet mask, it would apply the new setting.
4. The device could be set 74 chars on port list
5. Default VLAN cannot be deleted when user restores configuration file.
6. Configuration file restore fail.
7. The device could be accessed if set SNMP trap destination.
8. Use CPU MAC as the source MAC for IGMP outgoing packets.
9. In the IP setup of basic setting, the invalid value in VID can be deleted after system reset and there is error message to indicate that the VID is invalid.
10. DSCP function work abnormal.
11. Reduce queueing ARP packets in device (maximum 3 ARP for every single source and single destination).
12. The Time Server IP could support URL format.

Known Issue:

1. Changing some settings (VLAN, link aggregation, or other complex settings) will cause system suspended when **continuously** sending **unresolved source packets** of **1Mbps 64-Byte length**. This situation will be recovered after stopping the traffic.
2. The default gateway must be set in the configuration.
3. The device may be abnormal when learning more than 1000 multicast groups on it.
4. When changing OSPF settings, rebooting device is recommended to ensure it works normally.
5. The weighting of WFQ is more precise for short packets than long packets.

Limit of Settings:

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3. Static MAC forwarding: 256
4. Filtering: 256

5. Bandwidth Control: 64
6. Mirroring: 256
7. DHCP: 16
8. Static route: 8
9. OSPF area: 4
10. OSPF virtual link: 32
11. VRRP router entry:14
12. Classifier entry: 256

Revision History:

V3.60(TV.1)C0 (04/10/2006)
Support OSPF Passive-interface and MAC Flush.
V3.60(TV.0)C0 (05/12/2005)
Support New CLI and classifier entry.
Bootbase version 1.02 using 00-13-49 as MAC prefix.
V3.50(TV.0)C0 (01/11/2005)
First Public version.

ZyXEL ES-4024A V3.60(TV.0)C0

Release Note/Manual Supplement

Date: May 12, 2005

This document describes the features in the ES-4024A product for its 3.60(TV.0)C0 release.

Support Platforms:

ZyXEL ES-4024A V3.60(TV.0)C0 supports models: Dimension ES-4024A

Version:

ZyNOS Version: V3.60(TV.0) | 05/12/2005
BootBase Version: V1.02 | 05/06/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(TV.0) | 05/12/2005 23:15:23
Bootbase Version	V1.02 | 05/06/2005 10:37:56
Vendor Name	ZyXEL Communications Corp.
Product Model	ES-4024A
ZyNOS Code Model	RAS ES4024A
HTP Code Model	Unknown
ZyNOS ROM address	bfc60000
System Type	6
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	11
RomFile Checksum	5d37
ZyNOS Checksum	9ea7
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DA 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Enhanced Features:

1. New CLI

Known Issue:

1. Changing some settings (VLAN, link aggregation, or other complex settings) will cause system suspended when **continuously** sending **unresolved source packets** of **1Mbps 64-Byte length**. This situation will be recovered after stopping the traffic.

Limit of Settings:

1. IP routing domain: 64
2. 802.1Q static VLAN: 256
3. Static MAC forwarding: 256
4. Filtering: 256
5. Bandwidth Control: 64
6. Mirroring: 256
7. DHCP: 16
8. Static route: 8
9. OSPF area: 4
10. OSPF virtual link: 32
11. VRRP router entry:14
12. Classifier entry: 256

Revision History:

V3.60(TV.0)C0 (05/12/2005)
Support New CLI and classifier entry.
Bootbase version 1.02 using 00-13-49 as MAC prefix.
V3.50(TV.0)C0 (01/11/2005)
First Public version.

ZyXEL ES-4024A V3.50(TV.0)C0

Release Note/Manual Supplement

Date: January 11, 2005

This document describes the features in the ES-4024A product for its 3.50(TV.0)C0 release.

Support Platforms:

ZyXEL ES-4024A V3.50(TV.0)C0 supports models: Dimension ES-4024A

Version:

ZyNOS Version: V3.50(TV.0) | 01/11/2005
BootBase Version: V1.00 | 12/01/2004

Default Bootbase Setting:

ZyNOS Version	V3.50(TV.0) | 01/11/2005 16:10:58
Bootbase Version	V1.00 | 12/01/2004 19:26:29
Vendor Name	ZyXEL Communications Corp.
Product Model	ES-4024A

ZyNOS Code Model	RAS ES4024A
HTP Code Model	Unknown
ZyNOS ROM address	bfc60000
System Type	6
MAC Address	00A0C5012345
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	11
RomFile Checksum	5d37
ZyNOS Checksum	cef2
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DA 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Features:

1. MAC address learning
2. Support IEEE 802.1D transparent bridge
3. Support IEEE 802.1Q tagged VLAN
4. Support IEEE 802.1X
5. Support IEEE 802.1W
6. Support IEEE 802.3AD
7. IGMP snooping
8. Support IEEE 802.1p
9. Automatic age out
10. Link Aggregation
11. Port Mirroring
12. Bandwidth Control
13. MAC Filtering
14. 64 IP routing domains
15. Support routing protocol: RIP v1/v2
16. Support routing protocol: DVMRP
17. Support routing protocol: OSPF
18. Support VRRP
19. Support DHCP server, relay
20. Firmware upgrade and configuration backup/restore.
21. Remote manageable.
22. SNMP manageable. RFC1213 MIBII(system, interface), RFC 1493 Bridge MIB, RFC1643 Ethernet MIB, RFC1757 Four group of RMON, RFC2674 Bridge MIB extension and SNMP traps.
23. WEB manageable

Known Issue:

1. Changing some settings (VLAN, link aggregation, or other complex settings) will cause system suspended when **continuously** sending **unresolved source packets** of **1Mbps 64-Byte length**. This situation will be recovered after stopping the traffic.

Limit of Settings:

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7. DHCP: 16
8. Static route: 8
9. OSPF area: 4
10. OSPF virtual link: 32
11. VRRP router entry:14

Revision History:

V3.50(TV.0)C0 (01/11/2005)
First Public version.

Firmware Upgrade:

The ES-4024A uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade ES-4024A. The upgrade procedure is as follows:

Upgrade ES-4024A FW:

C:\> ftp <ES-4024A IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 350TV0C0.bin ras
ftp> bye

Where
- User name : just press <Enter>
- Password : the management password, 1234 by default
- 350TV0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in ES-4024A

Configuration Upgrade:

The ES-4024A uses FTP to upgrade configuration in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade ES-4024A. The upgrade procedure is as follows:

Upgrade ES-4024A configuration:

C:\> ftp <ES-4024A IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 350TV0C0.rom rom-0
ftp> bye

Where
- User name : just press <Enter>
- Password : the management password, 1234 by default
- 350TV0C0.rom : the name of configuration file you want to upgrade

- rom-0 : the internal configuration name in ES-4024A